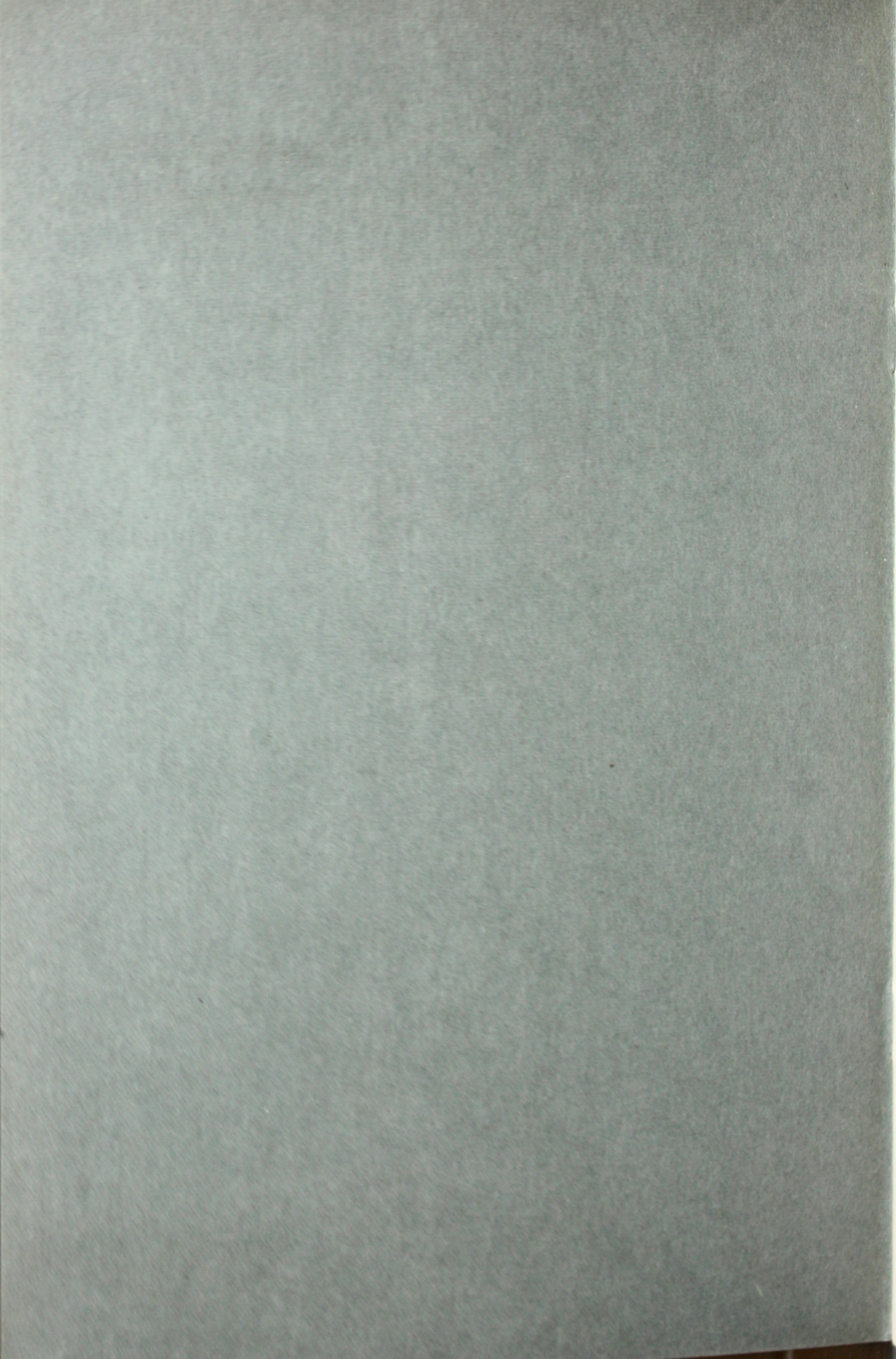


87-8
KEWANEE

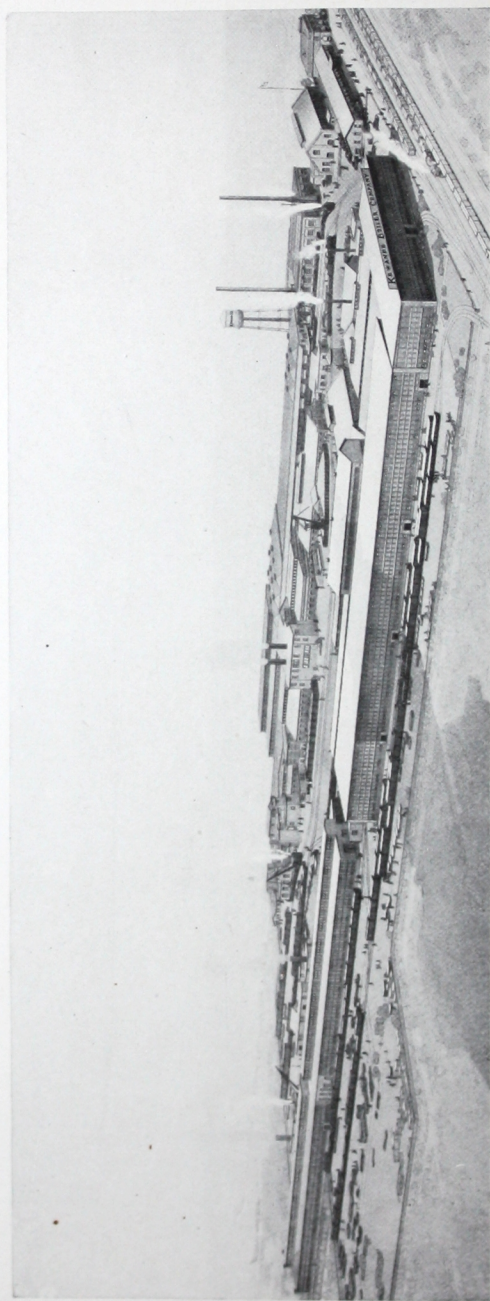


Catalog 77

RADIATORS



AUG 24 '25



THE HOME OF KEWANEE STEEL-RIVETED PRODUCTS
KEWANEE BOILER COMPANY
KEWANEE, ILLINOIS, U. S. A.

KEWANEE

Radiators



Catalog No. 77

Separate Catalogs on
Kewanee Steel Heating and Power Boilers,
Tabasco Garbage Burners, Water Heater
and Tanks, sent on request

KEWANEE BOILER COMPANY
KEWANEE, ILLINOIS

Branches in all Principal Cities of the
U. S. and Canada (See page 24)



For Steam or Water

Kewanee Single-Column Radiator

Plain Pattern Only

List of Sizes and Heating Surfaces

Number of Sections	Length, Inches	HEATING SURFACE, SQUARE FEET				
		38 Inches High, 3 Sq. Ft. per Section	32 Inches High, 2½ Sq. Ft. per Section	26 Inches High, 2 Sq. Ft. per Section	23 Inches High, 1¾ Sq. Ft. per Section	20 Inches High, 1½ Sq. Ft. per Section
2	5	6	5	4	3½	3
3	7½	9	7½	6	5	4½
4	10	12	10	8	6⅔	6
5	12½	15	12½	10	8½	7½
6	15	18	15	12	10	9
7	17½	21	17½	14	11⅔	10½
8	20	24	20	16	13½	12
9	22½	27	22½	18	15	13½
10	25	30	25	20	16⅔	15
11	27½	33	27½	22	18½	16½
12	30	36	30	24	20	18
13	32½	39	32½	26	21⅔	19½
14	35	42	35	28	23½	21
15	37½	45	37½	30	25	22½
16	40	48	40	32	26⅔	24
17	42½	51	42½	34	28½	25½
18	45	54	45	36	30	27
19	47½	57	47½	38	31⅔	28½
20	50	60	50	40	33½	30
21	52½	63	52½	42	35	31½
22	55	66	55	44	36⅔	33
23	57½	69	57½	46	38½	34½
24	60	72	60	48	40	36
25	62½	75	62½	50	41⅔	37½
26	65	78	65	52	43½	39
27	67½	81	67½	54	45	40½
28	70	84	70	56	46⅔	42
29	72½	87	72½	58	48½	43½
30	75	90	75	60	50	45
31	77½	93	77½	62	51⅔	46½
32	80	96	80	64	53½	48

Width of section, 4½ inches.

All radiators are regularly tapped 1½ inches right-hand and bushed according to tapping list.

When top tapping is required it can be furnished 1½ inches and bushed, or tapped solid any size smaller than 1½ inches.

Distance from floor to center of supply or return tapping for water is 4½ inches; steam single-pipe, 4½ inches; steam double-pipe, supply, 4½ inches; return, 4½ inches. Air-vent tapplings are regularly made ¼ inch. Add ½ inch for each bushing or plug to get total length measurement of radiator.

For tapping list and "roughing-in" measurements see pages 20 and 21.



For Steam or Water

10 90-21122 TCF

Kewanee Two-Column Radiator

Plain Pattern Only

List of Sizes and Heating Surfaces

Number of Sections	Length, Inches	HEATING SURFACE, SQUARE FEET					
		45 Inches High, 5 Sq. Ft. per Section	38 Inches High, 4 Sq. Ft. per Section	32 Inches High, 3 1/4 Sq. Ft. per Section	26 Inches High, 2 3/4 Sq. Ft. per Section	23 Inches High, 2 1/4 Sq. Ft. per Section	20 Inches High, 2 Sq. Ft. per Section
2	5	10	8	6 2/3	5 1/3	4 2/3	4
3	7 1/2	15	12	10	8	7	6
4	10	20	16	13 1/3	10 2/3	9 1/3	8
5	12 1/2	25	20	16 2/3	13 1/3	11 2/3	10
6	15	30	24	20	16	14	12
7	17 1/2	35	28	23 1/3	18 2/3	16 1/3	14
8	20	40	32	26 2/3	21 1/3	18 2/3	16
9	22 1/2	45	36	30	24	21	18
10	25	50	40	33 1/3	26 2/3	23 1/3	20
11	27 1/2	55	44	36 2/3	29 1/3	25 2/3	22
12	30	60	48	40	32	28	24
13	32 1/2	65	52	43 1/3	34 2/3	30 1/3	26
14	35	70	56	46 2/3	37 1/3	32 2/3	28
15	37 1/2	75	60	50	40	35	30
16	40	80	64	53 1/3	42 2/3	37 1/3	32
17	42 1/2	85	68	56 2/3	45 1/3	39 2/3	34
18	45	90	72	60	48	42	36
19	47 1/2	95	76	63 1/3	50 2/3	44 1/3	38
20	50	100	80	66 2/3	53 1/3	46 2/3	40
21	52 1/2	105	84	70	56	49	42
22	55	110	88	73 1/3	58 2/3	51 1/3	44
23	57 1/2	115	92	76 2/3	61 1/3	53 2/3	46
24	60	120	96	80	64	56	48
25	62 1/2	125	100	83 1/3	66 2/3	58 1/3	50
26	65	130	104	86 2/3	69 1/3	60 2/3	52
27	67 1/2	135	108	90	72	63	54
28	70	140	112	93 1/3	74 2/3	65 1/3	56
29	72 1/2	145	116	96 2/3	77 1/3	67 2/3	58
30	75	150	120	100	80	70	60
31	77 1/2	155	124	103 1/3	82 2/3	72 1/3	62
32	80	160	128	106 2/3	85 1/3	74 2/3	64

Width of section, 7 1/2 inches.

All radiators are regularly tapped 2 inches right-hand and bushed according to tapping list.

When top tapping is required it can be furnished 1 1/2 inches and bushed, or tapped solid any size smaller than 1 1/2 inches.

Distance from floor to center of supply or return tapping for water is 4 1/2 inches; steam single-pipe, 4 1/2 inches; steam double-pipe, supply, 4 1/2 inches; return, 4 1/2 inches. Air-vent tapings are regularly made 1/8 inch. Add 1/2 inch for each bushing or plug to get total length measurement of radiator.

For tapping list and "roughing-in" measurements see pages 20 and 21.

DO 90-B1122 TCF



For Steam or Water

Kewanee Three-Column Radiator

Plain Pattern Only

List of Sizes and Heating Surfaces

Number of Sections	Length, Inches	HEATING SURFACE, SQUARE FEET					
		45 Inches High, 6 Sq. Ft. per Section	38 Inches High, 5 Sq. Ft. per Section	32 Inches High, 4½ Sq. Ft. per Section	26 Inches High, 3¾ Sq. Ft. per Section	22 Inches High, 3 Sq. Ft. per Section	18 Inches High, 2¼ Sq. Ft. per Section
2	5	12	10	9	7½	6	4½
3	7½	18	15	13½	11¼	9	6¾
4	10	24	20	18	15	12	9
5	12½	30	25	22½	18¾	15	11¼
6	15	36	30	27	22½	18	13½
7	17½	42	35	31½	26¼	21	15¾
8	20	48	40	36	30	24	18
9	22½	54	45	40½	33¾	27	20¼
10	25	60	50	45	37½	30	22½
11	27½	66	55	49½	41¼	33	24¾
12	30	72	60	54	45	36	27
13	32½	78	65	58½	48¾	39	29¼
14	35	84	70	63	52½	42	31½
15	37½	90	75	67½	56¼	45	33¾
16	40	96	80	72	60	48	36
17	42½	102	85	76½	63¾	51	38¼
18	45	108	90	81	67½	54	40½
19	47½	114	95	85½	71¼	57	42¾
20	50	120	100	90	75	60	45
21	52½	126	105	94½	78¾	63	47¼
22	55	132	110	99	82½	66	49½
23	57½	138	115	103½	86¼	69	51¾
24	60	144	120	108	90	72	54
25	62½	150	125	112½	93¾	75	56¼
26	65	156	130	117	97½	78	58½
27	67½	162	135	121½	101¼	81	60¾
28	70	168	140	126	105	84	63
29	72½	174	145	130½	108¾	87	65¼
30	75	180	150	135	112½	90	67½
31	77½	186	155	139½	116¼	93	69¾
32	80	192	160	144	120	96	72

Width of section, 9 inches.

All radiators are regularly tapped 2 inches right-hand and bushed according to tapping list.

When top tapping is required it can be furnished 2 inches and bushed, or tapped solid any size smaller than 2 inches.

Distance from top to center of supply or return tapping for water is 4½ inches; steam single-pipe, 4½ inches; steam double-pipe, supply, 4½ inches; return, 4½ inches. Air-vent tappings are regularly made ⅛ inch. Add ½ inch for each bushing or plug to get total length measurement of radiator.

For tapping list and "roughing-in" measurements see pages 20 and 21.



For Steam or Water

Kewanee *Four-Column Radiator*

Plain Pattern Only

List of Sizes and Heating Surfaces

Number of Sections	Length, Inches	HEATING SURFACE, SQUARE FEET					
		45 Inches High, 10 Sq. Ft. per Section	38 Inches High, 8 Sq. Ft. per Section	32 Inches High, 6½ Sq. Ft. per Section	26 Inches High, 5 Sq. Ft. per Section	22 Inches High, 4 Sq. Ft. per Section	18 Inches High, 3 Sq. Ft. per Section
2	6	20	16	13	10	8	6
3	9	30	24	19½	15	12	9
4	12	40	32	26	20	16	12
5	15	50	40	32½	25	20	15
6	18	60	48	39	30	24	18
7	21	70	56	45½	35	28	21
8	24	80	64	52	40	32	24
9	27	90	72	58½	45	36	27
10	30	100	80	65	50	40	30
11	33	110	88	71½	55	44	33
12	36	120	96	78	60	48	36
13	39	130	104	84½	65	52	39
14	42	140	112	91	70	56	42
15	45	150	120	97½	75	60	45
16	48	160	128	104	80	64	48
17	51	170	136	110½	85	68	51
18	54	180	144	117	90	72	54
19	57	190	152	123½	95	76	57
20	60	200	160	130	100	80	60
21	63	210	168	136½	105	84	63
22	66	220	176	143	110	88	66
23	69	230	184	149½	115	92	69
24	72	240	192	156	120	96	72
25	75	250	200	162½	125	100	75
26	78	260	208	169	130	104	78
27	81	270	216	175½	135	108	81
28	84	280	224	182	140	112	84
29	87	290	232	188½	145	116	87
30	90	300	240	195	150	120	90
31	93	310	248	201½	155	124	93
32	96	320	256	208	160	128	96

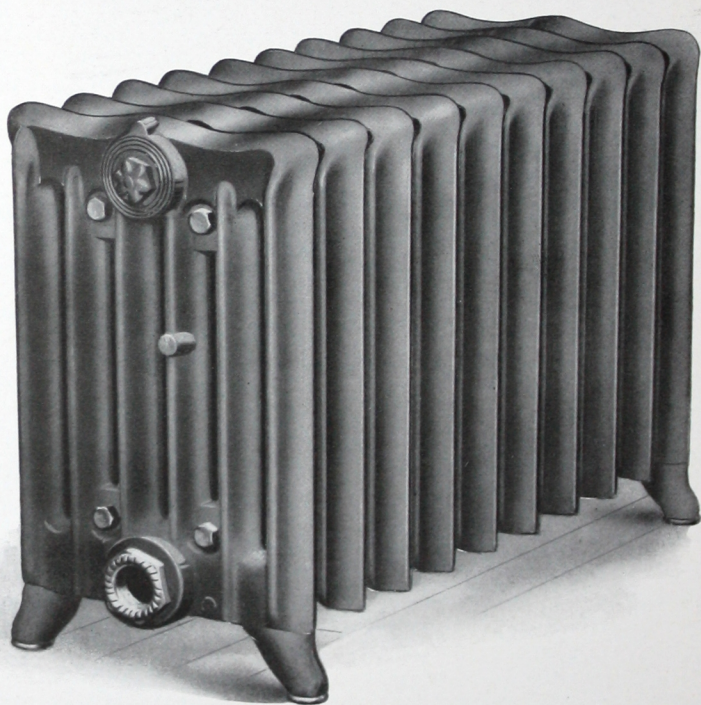
Width of section, 11 ¼ inches.

All radiators are regularly tapped 2 inches right-hand and bushed according to tapping list.

When top tapping is required it can be furnished 2 inches and bushed, or tapped solid any size smaller than 2 inches.

Distance from floor to center of supply or return tapping for water is 4½ inches; steam single-pipe, 4½ inches; steam double-pipe, supply, 4½ inches; return, 4½ inches. Air-vent tapplings are regularly made ¼ inch. Add ½ inch for each bushing or plug to get total length measurement of radiator.

For tapping list and "roughing-in" measurements see pages 20 and 21.



For Steam or Water

KEWANEE *Window Radiator*

Plain Pattern Only

List of Sizes and Heating Surfaces

Number of Sections	Length, Inches	HEATING SURFACE, SQUARE FEET				
		20 Inches High, 5 Sq. Ft. per Section	18 Inches High, 4 $\frac{1}{8}$ Sq. Ft. per Section	16 Inches High, 3 $\frac{3}{4}$ Sq. Ft. per Section	14 Inches High, 3 Sq. Ft. per Section	13 Inches High, 3 Sq. Ft. per Section
2	6	10	8 $\frac{2}{3}$	7 $\frac{1}{2}$	6	6
3	9	15	13	11 $\frac{1}{4}$	9	9
4	12	20	17 $\frac{1}{3}$	15	12	12
5	15	25	21 $\frac{2}{3}$	18 $\frac{3}{4}$	15	15
6	18	30	26	22 $\frac{1}{2}$	18	18
7	21	35	30 $\frac{1}{3}$	26 $\frac{1}{4}$	21	21
8	24	40	34 $\frac{2}{3}$	30	24	24
9	27	45	39	33 $\frac{3}{4}$	27	27
10	30	50	43 $\frac{1}{3}$	37 $\frac{1}{2}$	30	30
11	33	55	47 $\frac{2}{3}$	41 $\frac{1}{4}$	33	33
12	36	60	52	45	36	36
13	39	65	56 $\frac{1}{3}$	48 $\frac{3}{4}$	39	39
14	42	70	60 $\frac{2}{3}$	52 $\frac{1}{2}$	42	42
15	45	75	65	56 $\frac{1}{4}$	45	45
16	48	80	69 $\frac{1}{3}$	60	48	48
17	51	85	73 $\frac{2}{3}$	63 $\frac{3}{4}$	51	51
18	54	90	78	67 $\frac{1}{2}$	54	54
19	57	95	82 $\frac{1}{3}$	71 $\frac{1}{4}$	57	57
20	60	100	86 $\frac{2}{3}$	75	60	60
21	63	105	91	78 $\frac{3}{4}$	63	63
22	66	110	95 $\frac{1}{3}$	82 $\frac{1}{2}$	66	66
23	69	115	99 $\frac{2}{3}$	86 $\frac{1}{4}$	69	69
24	72	120	104	90	72	72
25	75	125	108 $\frac{1}{3}$	93 $\frac{3}{4}$	75	75
26	78	130	112 $\frac{2}{3}$	97 $\frac{1}{2}$	78	78
27	81	135	117	101 $\frac{1}{4}$	81	81
28	84	140	121 $\frac{1}{3}$	105	84	84
29	87	145	125 $\frac{2}{3}$	108 $\frac{3}{4}$	87	87
30	90	150	130	112 $\frac{1}{2}$	90	90
31	93	155	134 $\frac{1}{3}$	116 $\frac{1}{4}$	93	93
32	96	160	138 $\frac{2}{3}$	120	96	96

Width of loop, 12 $\frac{1}{4}$ inches at top, at middle 12 inches; width across feet, 13 inches.

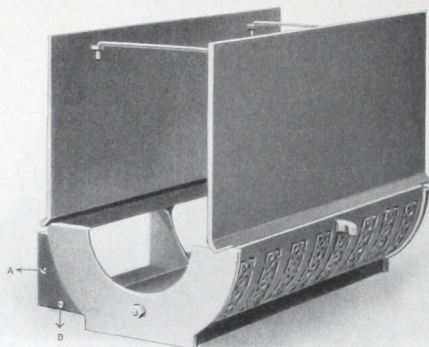
Distance from floor to center of tapping, 3 $\frac{5}{8}$ inches; on 13-inch height this distance is 2 $\frac{5}{8}$ inches.

All radiators will be tapped 2 inches and bushed according to the list, unless the solid tapping is expressly ordered. When top tapping is desired it can be furnished tapped 2 inches and bushed or tapped solid to order from factory.

All openings will be right-hand threaded, unless otherwise ordered. Air-valve tappings are regularly made $\frac{1}{8}$ inch. Add $\frac{1}{2}$ inch for each bushing to get total length measurement of radiator.

For tapping list and "roughing-in" measurements see pages 20 and 21.

Kewanee Box Base

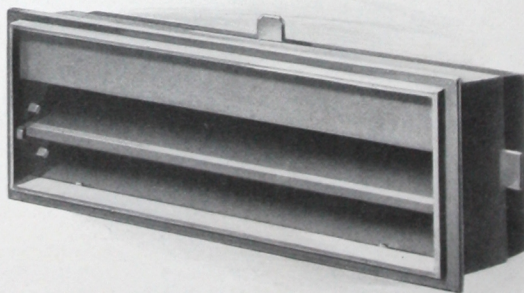


**Box Base for Kewanee Radiators for Either
Bottom or Back Inlet. (A or B)**

To change the box base from a back inlet to a bottom inlet, remove bolt "B" at each end of the box. Take off bottom plate and put in position at the back, putting bolts into bolt holes "A" at each end. This will furnish a bottom inlet instead of a back inlet.

The box base is arranged with a sliding damper. By simply pressing down the knob shown at the top of the fretwork in the illustration, the fresh air inlet is closed off and the air from the room is circulated through the radiator. By raising the knob to the position shown in the cut, the air from the room is shut off and the fresh air inlet is opened, admitting a liberal quantity of fresh air, which must pass through the radiator before being delivered into the rooms.

The wall box is made to fit the openings in the walls through which the fresh air is brought to Direct-Indirect Radiators. Metal pipes, the thickness of the wall, connect the wall box with the box base. These wall boxes are substantially made in one size only, equipped with racks to hold them in place in the wall. They are insect and vermin proof.



**Wall Box for Direct-Indirect Radiators. Opening Screened
with Heavy, Close-Meshed Brass Wire Cloth**

KEWANEE

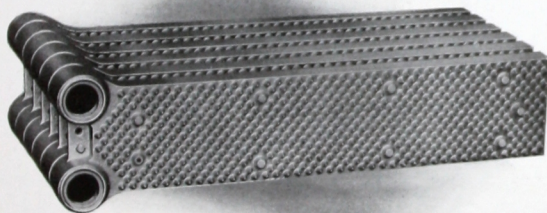
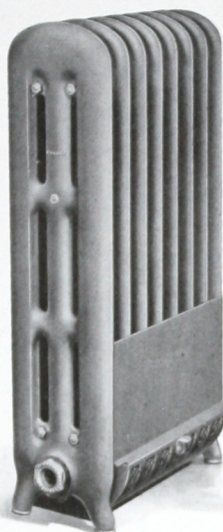
Direct-Indirect Radiator

The Kewanee Box Base is arranged to fit the Three-Column Steam or Water Radiators.

Measurements of Box Base

Distance from floor to top of base, 15 inches.
Outside measurements of opening for fresh air inlet:

3 sec.	$2\frac{3}{4} \times 3\frac{5}{16}$ in.	8 sec.	$15\frac{1}{4} \times 3\frac{5}{16}$ in.
4 sec.	$5\frac{1}{4} \times 3\frac{5}{16}$ in.	9 sec.	$17\frac{3}{4} \times 3\frac{5}{16}$ in.
5 sec.	$7\frac{3}{4} \times 3\frac{5}{16}$ in.	10 sec.	$20\frac{1}{4} \times 3\frac{5}{16}$ in.
6 sec.	$10\frac{1}{4} \times 3\frac{5}{16}$ in.	11 sec.	$22\frac{3}{4} \times 3\frac{5}{16}$ in.
7 sec.	$12\frac{3}{4} \times 3\frac{5}{16}$ in.	12 sec.	$25\frac{1}{4} \times 3\frac{5}{16}$ in.



KEWANEE

Pin Indirect Radiator

Made in Two Sizes
for
Steam and Water

Sections Contain 10
and 15 Square Feet
of Heating Surface

Table of Dimensions

Surface in Section	Length of Section	Height of Section	Height of Section at Connecting Point	Width of Section in Stack
10 sq. ft.	36 in.	$7\frac{3}{8}$ in.	$9\frac{3}{4}$ in.	$2\frac{7}{8}$ in.
15 sq. ft.	36 in.	$11\frac{1}{2}$ in.	$12\frac{3}{4}$ in.	$2\frac{7}{8}$ in.

Air-valve tappings are regularly made $\frac{1}{8}$ inch.

All screwed openings will be right-hand threaded unless otherwise ordered, tapped 2 inches and bushed to proper size, according to size of radiator.

The sections are connected by extra heavy malleable iron slip nipples slightly tapered from center, fitting snugly into sockets of the same taper drawn together by short bolts, making an absolutely tight connection.

For convenience in handling, Indirect Radiators will be shipped loose, unless expressly ordered assembled into stacks. Customers should, when ordering, be particular to specify the number of stacks into which the sections are to be assembled, so that necessary vent sections and nipples may be shipped.

For tapping list see page 20.

KEWANEE *Wall Radiator Figures*

Key to figure numbering. The first numeral in each of the following figures indicates the size of section. Figure 717 refers to 7-foot sections arranged in the manner as shown in sketch above the number, and Figure 917 refers to 9-foot sections and to the same assemblage.

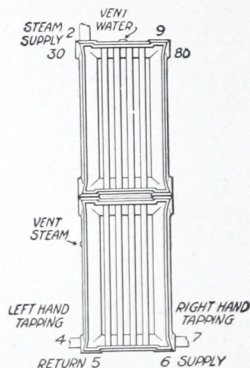


Fig. 713 or 913
Two Sections in Two
Tiers—Water and
2-Pipe Steam

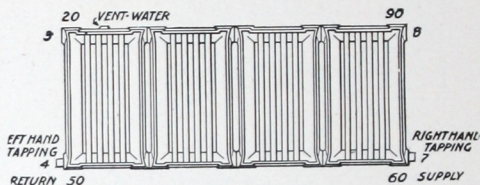


Figure 717 or 917
Assembled Four Sections in Single Tier—Water

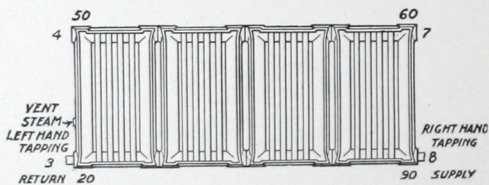


Figure 718 or 918
Sections in Single Tier—1- and 2-Pipe Steam

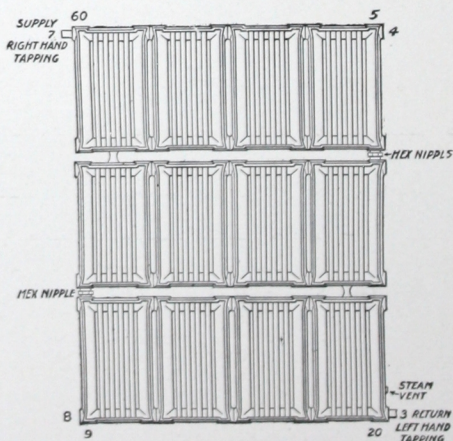


Figure 742 or 942
Assembled in Twelve Sections in Three Tiers, Using Spacing Saddles

Kewanee Wall Radiator Figures

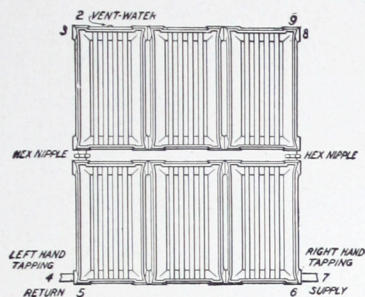


Figure 725 or 925
Assembled Six Sections in Two Tiers—Water

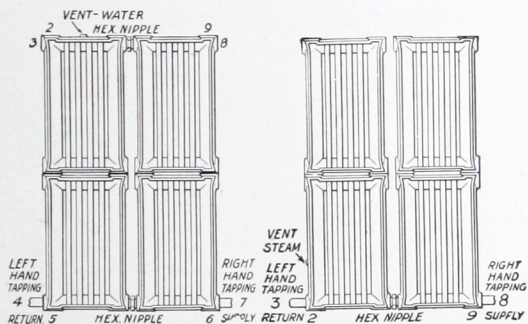


Figure 719 or 919
Assembled Four Sections
in Two Tiers—Water

Figure 720 or 920
Assembled Four Sections in Two Tiers
—One- and Two-Pipe Steam

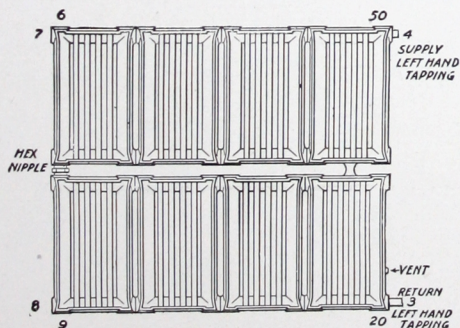
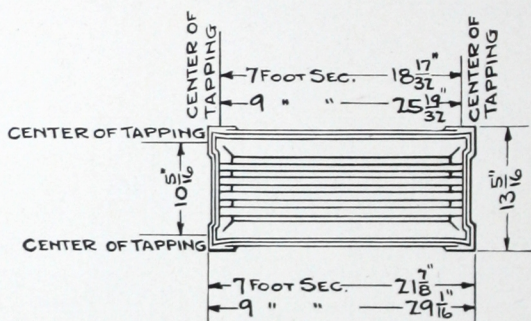
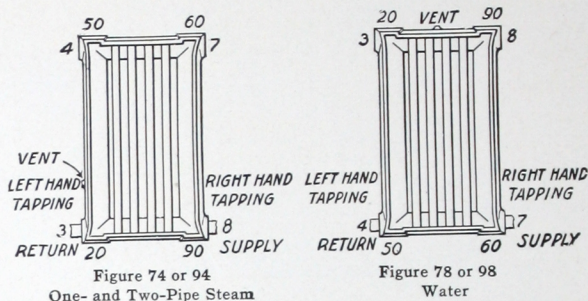


Figure 740 or 940
Assembled in Eight Sections in Two Tiers—For Two-Pipe Steam

Kewanee Wall Radiator Figures



Above measurements apply to either "A" or "B" styles

NOTE—The regular tapplings of Wall Radiators are indicated by Nos. 2, 3, 4, 5, 6, 7, 8 and 9. Nos. 20, 30, 40, 50, 60, 70, 80 and 90 indicate special tapplings which can be furnished if desired and for which an extra charge will be made. Tapplings are 1 1/2 inches, supply and return, and bushed as desired. Add 1 3/8 inches to length measurement for each hexagonal nipple used in assembling.

For convenience in shipping, unless special instructions to the contrary are received, wall radiators are assembled in stacks not exceeding 7 sections.

Wall radiators are tapped 1 1/2 inches flow, 1 1/2 inches return, and bushed to size required. Wall radiators are assembled with malleable iron screw nipples threaded right and left.

Kewanee Radiator Brackets



The brackets illustrated are inexpensive and are commonly used. Style D is a concealed bracket for Column Radiators. See page 19 for Kewanee Adjustable Radiator Brackets which we recommend for permanent installations.

Kewanee Adjustable Radiator Bracket



The Kewanee Adjustable Radiator Bracket is made in various lengths to support any Kewanee Wall or Column Radiator of any height.

They are easily attached to concrete, brick, tile, or frame walls and can be adjusted from $\frac{1}{16}$ of an inch to $1\frac{1}{2}$ inches *after the bracket is on the wall*. The horizontal adjustment is made automatically by expansion or contraction up to 3 inches.

They require no wood strips or backing—and clear the baseboard and window sill.

With radiator installed the brackets are hidden.

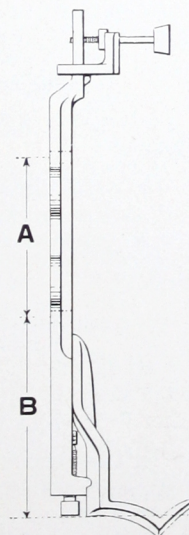
They hold the radiator out from the wall to allow for any valve or heat-regulating device.

Can be put up with less trouble and lined up for long radiators in less time and more accurately than any other bracket yet devised.

"Roughing In" Measurements

Height Radiator	No. Columns	Dimension A
For 5' Wall		5 $\frac{1}{4}$ "
22"	3 and 4	5 $\frac{1}{4}$ "
26"	2, 3, and 4	8 $\frac{1}{8}$ "
For 7' and 9' Wall		12 $\frac{1}{2}$ "
32" and 38"	1, 2, 3, and 4	12 $\frac{1}{2}$ "
45"	2, 3, and 4	24"

Dimension B is the distance from center of lower wall bolt hole to bottom of radiator and is adjustable from $6\frac{1}{4}$ inches to $7\frac{3}{4}$ inches on all brackets.



Tapping Instructions

The tapping of Indirect Radiators, in so far as is stated in their description, is also made according to this list.

SYSTEM	Square Feet of Radiation	Size of Tapping
ONE-PIPE STEAM	24 square feet and under	1 inch
	Above 24 but not exceeding 60 feet	1¼ inches
	Above 60 but not exceeding 100 feet	1½ inches
	Above 100 square feet	2 inches
TWO-PIPE STEAM	48 square feet and under	1 x ¾ inch
	Above 48 but not exceeding 96 feet	1¼x1 inch
	Above 96 square feet	1½x1¼ inches
HOT WATER	Radiators containing 40 square feet and under	1 inch
	Above 40 but not exceeding 72 feet	1¼ inches
	Above 72 square feet	1½ inches

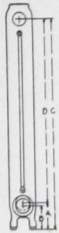
Directions for Ordering

You can assist us very materially in handling your order by following as closely as possible the directions here given:

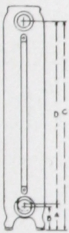
1. Write legibly, and, if convenient, order on typewritten sheet.
2. Give the exact name of the radiator as it appears in this catalog.
3. Be particular about giving clearly the number of radiators and the number of sections in each radiator.
4. Give the heights wanted, and state whether for steam or water heating.
5. State, if for steam, whether for one- or two-pipe work.
6. When leg sections are ordered, give name of the radiator, the tapping desired, whether for supply or return connection, and whether for one- or two-pipe steam or for hot water.
7. In case radiators for hot water are ordered tapped top and bottom, state whether the tapping should be at opposite or the same ends.
8. Special patterns, shapes, and tapings frequently cause delay; it is wise, therefore, to use standard patterns, shapes, and tapings if possible.

"Roughing-In"

Measurements of Radiators



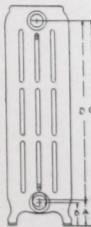
Radiator	Height	A Floor to center of lower tapping, straight hub, for hot water and supply on two-pipe steam.	B Floor to center of lower tapping, drop-hub one-pipe steam or return on two-pipe steam.	C Floor to center of upper tapping.	D Center to center of straight-hub hot water.
KEWANEE Single-Column	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>
Width Section, 4½"	26	4½	4	23½	19
Length of Section in Stack, 2½"	32	4½	4	29½	25
	38	4½	4	35½	31



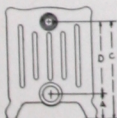
KEWANEE Two-Column	26	4½	4	23½	19
Width Section, 7½"	32	4½	4	29½	25
Length of Section in Stack, 2½"	38	4½	4	35½	31
	45	4½	4	42½	38



KEWANEE Three-Column	22	4½	4	19½	15
Width Section, 9"	26	4½	4	23½	19
Length of Section in Stack, 2½"	32	4½	4	29½	25
	38	4½	4	35½	31
	45	4½	4	42½	38



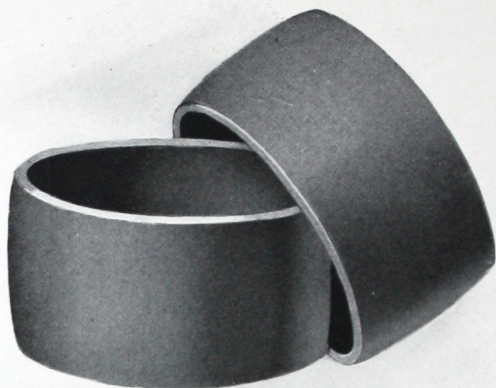
KEWANEE Four-Column	18	4½	4	15½	11
Width Legs, 13"	22	4½	4	19½	15
Width Section, 11⅛"	26	4½	4	23½	19
Length of Section in Stack, 3"	32	4½	4	29½	25
	38	4½	4	35½	31
	45	4½	4	42½	38



KEWANEE Window	14	3⅝	Not made with drop-hub	11⅞	8⅝
Width Legs, 13"	16	3⅝		13⅞	10⅝
Width Section, 12"	18	3⅝		15⅞	12⅝
Width Top, 12¼"	20	3⅝		17⅞	14⅝
Length of Section in Stack, 3"					

KEWANEE *Extra Heavy Malleable Nipples*

For Radiator Joints



"Extra Heavy" Push Nipples

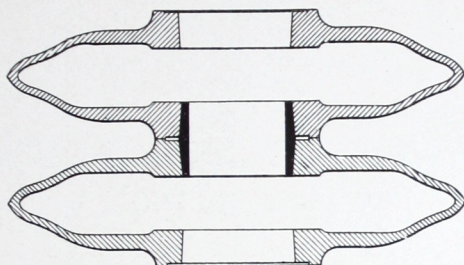
We want to call particular attention to our extra heavy malleable iron push-nipple for connecting the radiator sections. There seems to have been a certain prejudice among some against the push-nipple radiator. This was undoubtedly caused by the use of the thin-spun steel nipple which only lasted for a short time before rusting out, or by the first attempts at using malleable iron, which were not properly made.

When we first commenced to make radiators we gave the nipple question careful consideration. We were convinced that the push-nipple connection was the only proper one for radiators, and after several trials decided on the malleable iron, of a certain mixture.

This nipple is mechanically and chemically perfect. Water absolutely cannot get through the joints which it fits. The machinery for tapering and finishing this nipple is of our own design.

The straight iron-to-iron joint with this perfect nipple is unquestionably a firmer and more lasting joint than can ever be expected of a right-and-left screwed joint which depends upon a manila paper gasket and red lead for a tight fit.

Kewanee Radiators



Section Through Hubs

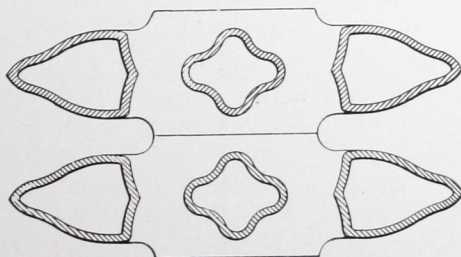
We show here two cross-sections of Kewanee Three-Column Radiators, the one through the hub and the other through the middle of the loop.

The section through the hub shows the slip-nipple joint, making a perfect iron-to-iron joint with absolutely no chance for leaking through loosely fitted threads.

The other section shows the concave columns and the distribution of surface. Note that the center column is much smaller than the outside columns, which is the means of exposing an unusually large part of the radiator surface to the cool air of the room in which the radiator is located, giving it the maximum of efficiency.

When specially ordered, we will furnish solid high legs, six or eight inches high. These extra height legs are built on the single-, two-, three-, and four-column radiators, except those 45 inches high.

We can furnish also, when desired, radiator pedestals of any height.



Section Through Center

KEWANEE BOILER COMPANY

KEWANEE, ILLINOIS

Branches:

ATLANTA, GA.	1522 Candler Bldg.
CHARLOTTE, N. C.	135 Brevard Court
CHATTANOOGA, TENN.	1226 James Bldg.
CHICAGO, ILL.	822 W. Washington Blvd.
CINCINNATI, O.	P. O. Box 75
CLEVELAND, O.	Superior Ave., N. E., at 17th St.
COLUMBUS, O.	510 Comstock Bldg.
DALLAS, TEX.	809 Southwestern Life Bldg.
DENVER, COLO.	1226-1228 California St.
DES MOINES, IA.	315 Hubbell Bldg.
DETROIT, MICH.	1772 W. LaFayette Blvd.
EL PASO, TEX.	226 Mesa Ave.
GRAND RAPIDS, MICH.	402½ Michigan Trust Bldg.
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KANSAS CITY, MO.	2014 Wyandotte St.
LOS ANGELES, CAL.	420 E. Third St.
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MINNEAPOLIS, MINN.	708 Builders Exchange Bldg.
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PHILADELPHIA, PA.	510 Real Estate Trust Bldg.
PITTSBURGH, PA.	Empire Bldg.
ST. LOUIS, MO.	4200 Forest Park Blvd.
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SAN FRANCISCO, CAL.	216 Pine St., Rooms 210-211
SEATTLE, WASH.	Central Bldg.
SPOKANE, WASH.	506 Empire Street Bldg.
TOLEDO, O.	1121-1122 Nicholas Bldg.

CANADIAN REPRESENTATIVES: Dominion Radiator & Boiler Co., Ltd.
Toronto, Ont.; Montreal, Que.; Brantford, Ont.

